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AU December 2012 Phone 2012 Room 10 Ro	All John Phone Phone Rooms Room Law Market Company (1997) And the what format would you like your results? Paper is the default PAPER DISK EMAIL If submitting more than one search request form, please prioritize the searches in order of need. Where have you searched so far on this case? Chricle: USPT DWPI EPO Abs JPO Abs IBM TDB Other: What relevant art have you found so far? Please attach citations or Information Disclosure Statements. What types of references would you like? Please checkmark: OCT 2 RECD Finning Refs Configuration Literature Teaching Refs Other Is this a "Fast & Focused Search" request? (Circle One) YES NO A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain circles. The criteria are posted in BIC2800 and on the STIC NPL Web Page at http://uspto-n-natur-2/sirampos/tic/npl/nplsearch.htm What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry mumbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims. South to Other Structures of the structure of	All John Phone Phone Room Room Room Room Research request form, please prioritize the searches in order of need. Where have you searched so far on this case? Ctricle: USPT DWP! EPO Abs JPO Abs IBM TDB Other: What relevant art have you found so far? Please attach citations or Information Disclosure Statements. What types of references would you like? Please checkmark: OCT 2 RECD Finance Refs Foreign Patents Other Teaching Refs Secondary Refs Foreign Patents Other Teaching Refs Other Teaching Refs Foreign Patents Other Teaching Refs Other Teaching Refs OCT 2 RECD What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims OCC OCC OCC DESCRIPTION OF THE ABSTRACT OF THE ABSTR	Date 10 2 06 Serial	# <u>10 76609</u>	Priority Application Date	A3)103	
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	72	73	Staff Use Only Searcher Phone: Staff Use Only Searcher Phone: Searcher Location: STIC-EIC2800, JEF-4B68	Please include the cos, structures, strategies, of the abstract and perting the abstract and per	Vendors STN Dialog	acronyms,	
Date Completed: 10/6/66 Patent Family WWW/Internet	72	Searcher Prep/Rev Time: 73 Other Other	Staff Use Only Searcher Phone: Searcher Picked Up 1918106	Please include the cos, structures, strategies, of the abstract and perting the abstract and perting the company of the abstract and perting the company of the abstract and perting the company of the c	Vendors STN Dialog Questel/Orbit	acronyms,	
Searcher Prep/Rev Time:OtherOther	Searcher Prep/Rev Time:OtherOtherOther		Staff Use Only Searcher Phone: Staff Use Searcher Picked Up: 1018 1018	Please include the cos, structures, strategies, of the abstract and perting the abstract and perting the company of the abstract and perting the company of the abstract and perting the company of the c	Vendors STN	acronyms,	

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(FILE 'HOME' ENTERED AT 17:01:07 ON 05 OCT 2006)

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FILE 'CAPLUS' ENTERED AT 17:01:26 ON 05 OCT 2006
         781053 SEA ABB=ON PLU=ON SEMICONDUCTOR OR SEMI CONDUCTOR OR
Ll
                INTEGRATED CIRCUIT###### OR IC OR I C OR WAFER####### OR CHIP
                OR MICROCHIP
           1717 SEA ABB=ON PLU=ON (DUMM###### OR ACTUAL#####) (3A) PATTERN####
L2
                #####
          10443 SEA ABB=ON PLU=ON (PLURAL####### OR DIFFER###### OR MANY OR
L3
                MULTI#########) (3A) (WIRE OR WIRING)
         261172 SEA ABB=ON PLU=ON RECTANG####### OR ORTHOGONAL OR RIGHT
L4
                ANGLE OR SQUAR########
          20112 SEA ABB=ON PLU=ON (ROTAT######## OR TURN##### OR TWIST######
L5
                OR CHANG#### OR ADJUST### OR ALTER######## (3A) ANGLE
              O SEA ABB=ON PLU=ON L1 AND L2 AND L3 AND L4 AND L5
L6
             24 SEA ABB=ON PLU=ON L1 AND L2 AND L3
O SEA ABB=ON PLU=ON L7 AND L5
O SEA ABB=ON PLU=ON L7 AND L4
L7
L8
L9
            920 SEA ABB=ON PLU=ON S2 AND S4 AND S5
L10
             34 SEA ABB=ON PLU=ON L10 AND CENTER####
L11
             3 SEA ABB=ON PLU=ON L11 AND LONG######
L12
             5 SEA ABB=ON PLU=ON L11 AND POINT####
L13
             46 SEA ABB=ON PLU=ON L2 AND L4
L14
             O SEA ABB=ON PLU=ON L14 AND L5
17 SEA ABB=ON PLU=ON L14 AND L1
L15
L16
         106105 SEA ABB=ON PLU=ON PERPENDICULAR########
L17
              2 SEA ABB=ON PLU=ON L10 AND L17
L18
L19
             12 SEA ABB=ON PLU=ON L7 AND PY<=2003
                D L12 1-3 IBIB ABS
              5 SEA ABB=ON PLU=ON L13 NOT L12
L20
                D L20 IBIB ABS 1-5
             11 SEA ABB=ON PLU=ON L16 AND PY<=2003
L21
             11 SEA ABB=ON PLU=ON L21 NOT (L12 OR L13)
L22
                D L22 IBIB ABS 1-11
              2 SEA ABB=ON PLU=ON L18 NOT (L12 OR L13 OR L21)
L23
                D L23 IBIB ABS 1-2
             12 SEA ABB=ON PLU=ON L19 NOT (L12 OR L13 OR L21 OR L18)
L24
                D L24 1-12 IBIB ABS
FILE 'STNGUIDE' ENTERED AT 17:22:42 ON 05 OCT 2006
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10/6/2006 10:54:31 AM 10/6/2006 11:29:53 AM

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[File 2] INSPEC 1898-2006/Jan W2
[File 6] NTIS 1964-2006/Jan W4
[File 8] Ei Compendex(R) 1970-2006/Jan W4
[File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
[File 35] Dissertation Abs Online 1861-2006/Jan
[File 65] Inside Conferences 1993-2006/Jan W5
[File 94] JICST-EPlus 1985-2006/Nov W3
[File 99] Wilson Appl. Sci & Tech Abs 1983-2006/Apr
[File 144] Pascal 1973-2006/Jan W2
[File 23] CSA Technology Research Database 1963-2006/Jan
[File 103] Energy SciTec 1974-2006/Jan Bl
[File 31] World Surface Coatings Abs 1976-2006/Jan
[File 95] TEME-Technology & Management 1989-2006/Jan W5
[File 56] Computer and Information Systems Abstracts 1966-2006/Aug
[File 57] Electronics & Communications Abstracts 1966-2006/Aug
[File 68] Solid State & Superconductivity Abstracts 1966-2006/Jan
[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
[File 293] Engineered Materials Abstracts 1966-2006/Jan
[File 239] Mathsci 1940-2005/Feb
[File 256] TECINFOSOURCE 82-2005/DEC
Set
       Items
               Description
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5234426 S SEMICONDUCTOR? ? OR SEMI() CONDUCTOR? ? OR PCB? ? OR TAB? ? OR S1 PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???() DEVICE? ? OR PRINT???() CIRCUIT??? OR IC? ? OR INTEGRAT????() CIRCUIT??? OR CHIP? ? OR WAFER??? OR MICROCHIP? ? OR MICRO()CHIP? ? OR VLSI? ? OR FLEX?????(3N)CIRCUIT OR FLEX?????? OR (LEAD? ? OR WIRE? ? OR WIRING OR LINE? ? OR TRAC????? OR INTEGRAT?????) (3N) FLEX??????

- S (WIRE??? OR WIRING OR WIRE? ? OR LEAD? ? OR FLEX OR LINE? ?)(3N)(LAYER????? OR 183144 FILM???? OR COAT???? OR SHEET???? OR DEPOSIT????? OR LAMINA??????? OR OVERLAY???? OR OVERLAY???? OR STACK ????? OR MULTILAYER ?????? OR PLURALIT ??????) OR (PURAL ???? OR DIFFER ??? OR MANY OR MULTI????? OR NUMBER????) (3N) (WIRE? ? OR WIRING)
- 278700 S (DUMM????? OR VITUAL???? OR REPLICA?????? OR DUPLICATE???? OR MODEL????? OR COPI??? OR COPY???? OR SUBSTITUT????? OR CLON????? OR FACSIMILE? ? OR REPRO??????? OR ACTUAL???? OR REAL OR ORIGINAL ???? OR ACTUAL ??? OR TRUE OR EXTEND ?????) (3N) (PATTERN ???? OR MESH ???? OR LATTIC????? OR SCREEN????? OR TEMPLAT????? OR MASK????)
- 8469002 S RECTANG????? OR ORTHOGONAL???? OR RIGHT()ANGLE?? OR RIGHTANGLE?? OR SQUAR????? OR PERPENDICULAR ???? OR VERTICAL ????? OR HORIZONT ?????? OR SHAP???? OR SIZE? ?
- 80616 S (ROTAT??????? OR ARRANG?????? OR TURN???? OR TWIST???? OR REVOLV?????) (3N) (ANGLE?,? OR ANGULAR OR SLOP????? OR INCLIN????????? OR GRADIENT? ?)
- O S (DUMMY() PATTERN????) (10N) (ACTUAL????() PATTERN???????)
- 405707 S (CENTER? ? OR CENTRE? ? OR MIDDLE OR HALFWAY??? OR HALF()WAY????)(3N)(POINT???? OR TARGET ???? OR LOCATION ???? OR POSITION ???? OR SPOT ????) OR MIDPOINT ????? OR MID() POINT ??? OR MEDIAN OR MIDWAY? ? OR MID()WAY? ?

```
S S1 AND S2 AND S3 AND S4 AND S5 AND S7
SR
s9
         188 S S3 AND S4 AND S5
               S S9 AND S1
S10
          13
          10
S11
               RD (unique items)
S12
          10
              S S11 AND PY<=2003
               S S9 AND S7
           0
S13
S14
           0
               S S9 AND LONG?????(2N)SIDE? ?
S15
               S S9 AND (ORTHOGONAL OR EXTEND?????) (3N) (DIRECT????? OR LOCAT????? OR
POSITION?????)
           0 S S9 AND (ORTHOGONAL?????(3N) (WIRED OR WIRING))
S16
         · 14
               S S9 AND PERPENDICULAR????
S17
S18
               RD (unique items)
```

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```
S S18 AND PY<=2003
S S9 AND LONG????
S19
             8
S20
            20
            16 RD (unique items)
S21
            11 S S21 AND PY<=2003
36 S S1 AND S2 AND S3 AND S4
S22
s23
           O S S23 AND (ORTHOGONAL???? OR EXTEND?????) (3N) (DIRECT????? OR LOCAT????? OR
POSITION?????)
                S S23 AND (ORTHOGONAL????? OR EXTEND?????)
                 RD (unique items)
S26
                 S S23 AND S5
$27
             0
S28
             0 S S23 AND (ORTHOGONAL?????(3N)(WIRED OR WIRING))
S29
             0 S S23 AND S7
           8 S S19 NOT S12
9 S S22 NOT (S19 OR S12)
4 S S26 NOT (S12 OR S19 OR S22)
S30
S31
S32
```

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[File 344] Chinese Patents Abs Jan 1985-2006/Jan [File 347] JAPIO Nov 1976-2005/Sep (Updated 060103) [File 350] Derwent WPIX 1963-2006/UD,UM &UP=200607 [File 371] French Patents 1961-2002/BOPI 200209

Items

Description
S SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR S1 PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT??? OR CHIP? ? OR WAFER??? OR MICROCHIP? ? OR MICRO()CHIP? ? OR VLSI? ? OR FLEX??????(3N)CIRCUIT OR FLEX?????? OR (LEAD? ? OR WIRE? ? OR WIRING OR LINE? ? OR TRAC????? OR INTEGRAT?????) (3N) FLEX??????

284383 S (WIRE??? OR WIRING OR WIRE? ? OR LEAD? ? OR FLEX OR LINE? ?)(3N)(LAYER????? OR FILM ???? OR COAT ???? OR SHEET ???? OR DEPOSIT ????? OR LAMINA ??????? OR OVERLAY ???? OR OVERLAY ???? OR STACK ????? OR MULTILAYER?????? OR PLURALIT??????) OR (PURAL???? OR DIFFER??? OR MANY OR MULTI????? OR NUMBER????) (3N) (WIRE? ? OR WIRING)

45077 S (DUMM????? OR VITUAL???? OR REPLICA?????? OR DUPLICATE???? OR MODEL????? OR COPI??? OR COPY???? OR SUBSTITUT????? OR CLON????? OR FACSIMILE? ? OR REPRO??????? OR ACTUAL???? OR REAL OR ORIGINAL ???? OR ACTUAL ???? OR TRUE OR EXTEND ??????) (3N) (PATTERN ???? OR MESH ???? OR LATTIC????? OR SCREEN????? OR TEMPLAT????? OR MASK????)

4958726 S RECTANG?????? OR ORTHOGONAL???? OR RIGHT() ANGLE?? OR RIGHTANGLE?? OR SQUAR????? OR PERPENDICULAR???? OR VERTICAL????? OR HORIZONT?????? OR SHAP???? OR SIZE? ?

147931 S (ROTAT??????? OR ARRANG?????? OR TURN???? OR TWIST???? OR REVOLV?????) (3N) (ANGLE? ? OR ANGULAR OR SLOP????? OR INCLIN????????? OR GRADIENT? ?)

16 S (DUMMY()PATTERN????)(5N)(ACTUAL????()PATTERN???????) **S**6

154462 S (CENTER? ? OR CENTRE? ? OR MIDDLE OR HALFWAY??? OR HALF () WAY????) (3N) (POINT???? OR TARGET ???? OR LOCATION ???? OR POSITION ???? OR SPOT ????) OR MIDPOINT ????? OR MID() POINT ??? OR MEDIAN OR MIDWAY? ? OR MID()WAY? ?

```
56418 S IC=(H01L-021/82 OR H01L-023/48)
              S MC=(U11-C05D OR U11-D03C1)
S9
       10431
               S S1 AND S2 AND 3 AND S4 AND S5 AND S6 AND S7
S10
              S S1 AND S2 AND S3 AND S4
S11
         373
              S S11 AND S5
               S S12 AND PY<=2003
S13
          6
S14
               S S6 AND S8
S15
              S S6 AND S9
               S S2 AND S3 AND S4 AND S5
S16
               S $16 AND PY<=2003
S17
              S S11 AND LONG?????(2N)SIDE? ?
S18
           8 S S18 AND PY<=2003
S19
S20
          68 S S11 AND (ORTHOGONAL???? OR EXTEND?????) (3N) (DIRECT????? OR LOCAT????? OR
POSITION?????)
               S $20 AND $8
S21
          12
               S S21 AND S9
S22
S23
               S S20 AND (ORTHOGONAL?????(3N) (WIRED OR WIRING))
S24
               S S11 AND S7
               S S24 AND PY<=2003
S25
              S S1 AND S3 AND S4 AND S5 AND S7
               S S1 AND S3 AND S4 AND S5
          21
S27
S28
               S S27 AND S8
S29
               S S27 AND S9
              S S27 AND (ORTHOGONAL????? OR EXTEND?????)
S30
          17
S31
          16
               S S30 AND PY<=2003
               S S31 AND LONG?????
S32
           3
S33
              S S14 NOT S13
         . 0
             S S15 NOT (S13 OR S14)
S34
               S S17 NOT (S13 OR S14 OR S15)
```

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```
      S36
      8
      S
      S19
      NOT
      (S13
      OR
      S14
      OR
      S15
      OR
      S17
      OR
      S19

      S37
      0
      S
      S22
      NOT
      (S13
      OR
      S14
      OR
      S15
      OR
      S19
      OR
      S19
      OR
      S22)

      S38
      2
      S
      S23
      NOT
      (S13
      OR
      S14
      OR
      S15
      OR
      S17
      OR
      S19
      OR
      S22)

      S39
      2
      S
      S25
      NOT
      (S13
      OR
      S14
      OR
      S15
      OR
      S17
      OR
      S19
      OR
      S22
      OR
      S23)

      S40
      1
      S
      S28
      NOT
      (S13
      OR
      S14
      OR
      S15
      OR
      S17
      OR
      S19
      OR
      S22
      OR
      S23
      OR
      S25)

      S41
      1
      S
      S32
      NOT
      (S13
      OR
      S14
      OR
      S15
      OR
      S17
      OR
      S19
      OR
      S22
      OR
      S23
      OR
      S25
```